WHAT IS CLAIMED IS:

1. A transmitter for measurement of mass (M), weight (W), volume (V), level (L) and/or density (ρ) of a product (1) in a vessel (3) comprising:
   - a level sensor (5), comprising:
     -- a conductive probe (9) extending into the vessel (3) ,
     -- means (11, 13) for generating and sending short electromagnetic pulses (S) down the probe,
     -- means (15) for reception of echoes (E) of the pulses (S) reflected at a surface of the product (1),
     -- means (17) for determining a time of flight (t) needed for a pulse (S) to travel down the probe (9) and its echo (E) to return,
   - a pressure sensor (7),
     -- mounted on the probe (9), and
   - a signal processing unit (45) for determining mass (M), weight (W), volume (V), level (L) and/or density (ρ) based on measurement signals supplied by the level sensor (5) and the pressure sensor (7).

2. A transmitter according to claim 1, comprising at least one temperature sensor (49), integrated in the probe (9).

3. A transmiter according to claim 1, comprising a communication interface (51) for reception and/or delivery of information to a user, a supplier and/or a control unit (52).

4. A transmitter according to claim 1, comprising a totalizer(53), for totalizing supplies or withdrawals of the product (1).

5. A transmitter according to claim 1, comprising a monitor (55), for monitoring unauthorized supply of withdrawal of product (1) and leakage.

6. A transmitter according to claim 1, comprising a device (54) for determining a physical position of the transmitter.

7. A transmitter according to claim 1, comprising an integral server (56) for supporting communication with at least one Information Technology Network (58).